

Fig. 1 PRIOR ART

PROCESO DE GENERACIÓN

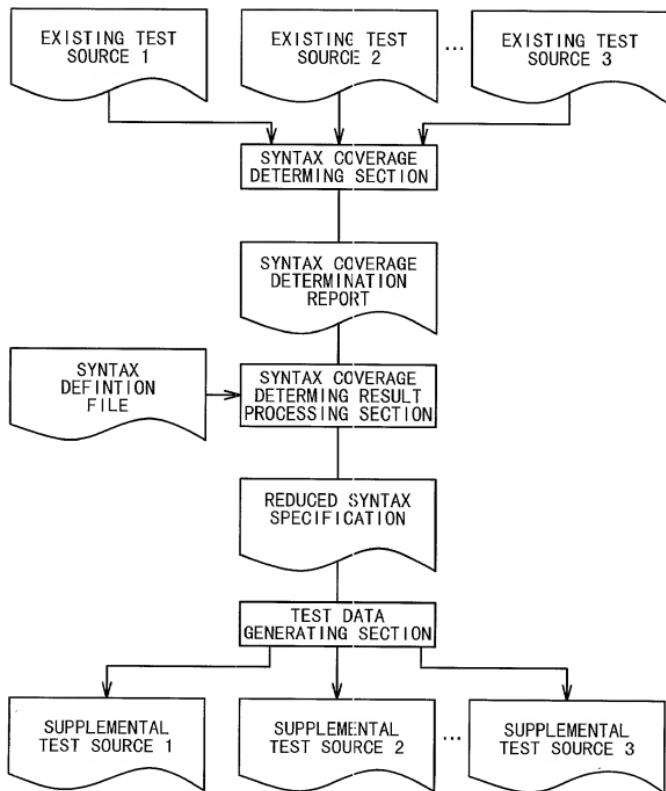


Fig. 2 PRIOR ART

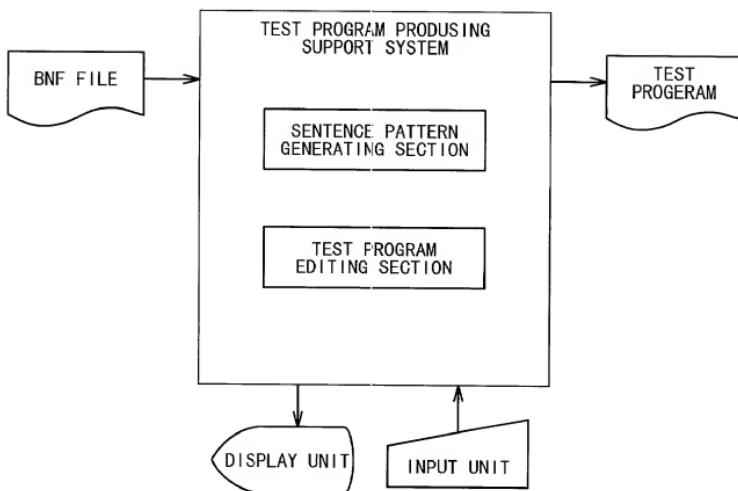


Fig. 3 PRIOR ART

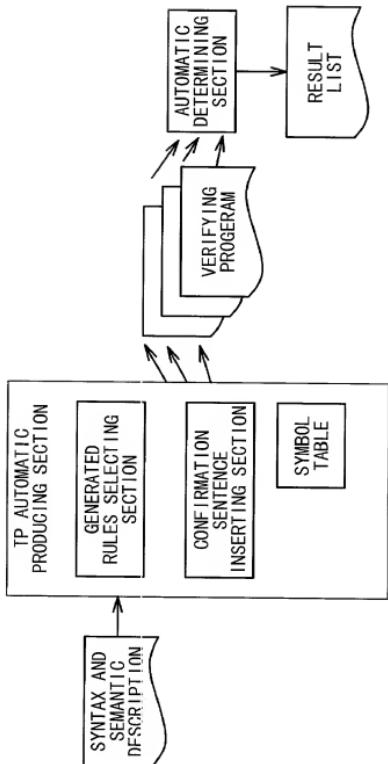


Fig. 4

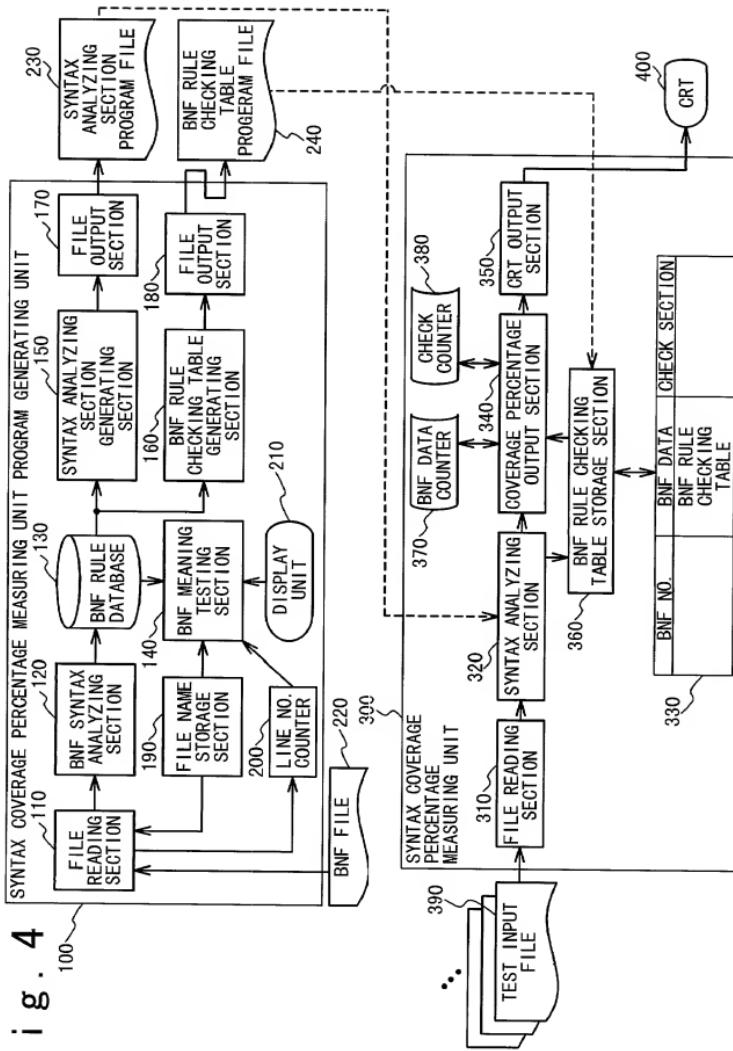


Fig. 5

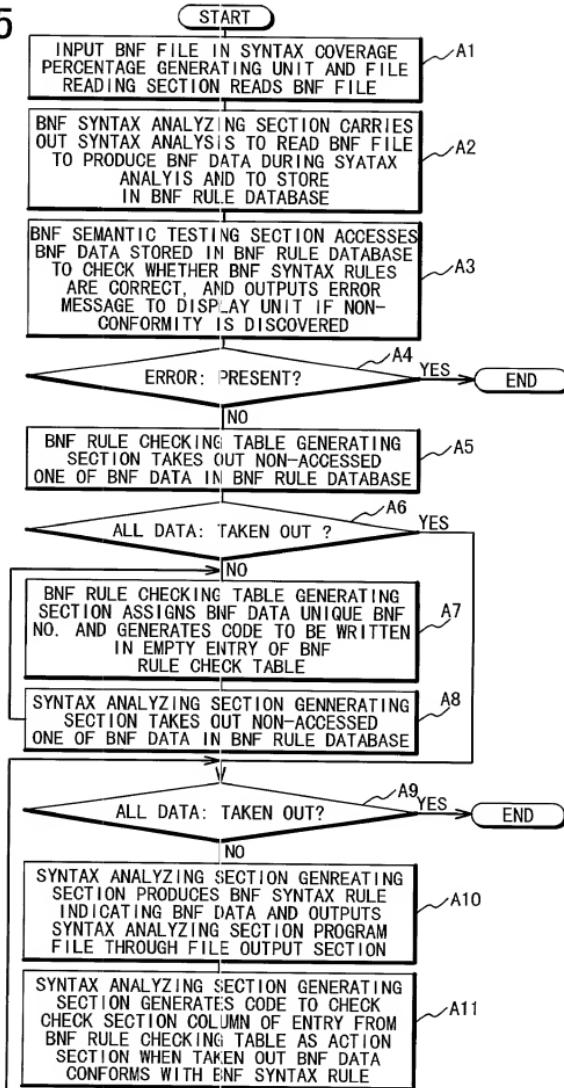


Fig. 6

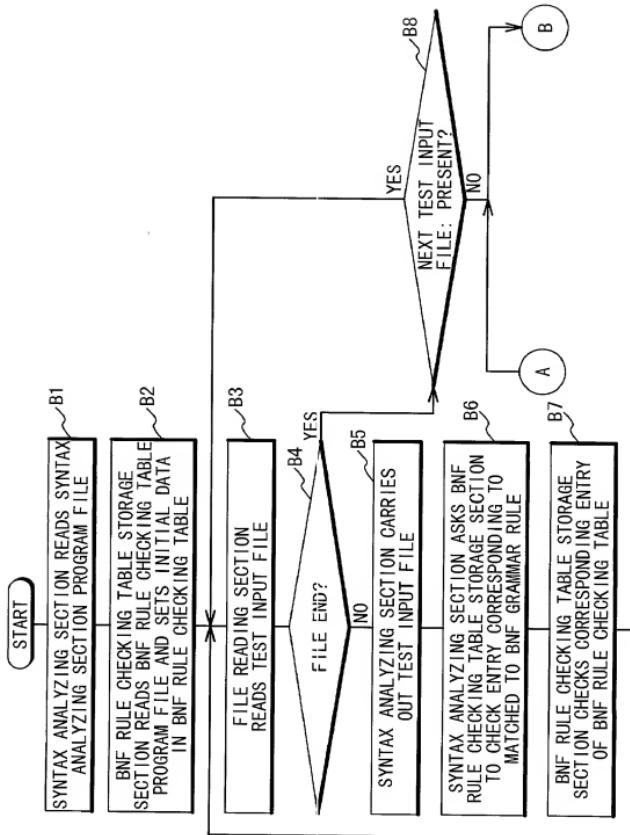


Fig. 7

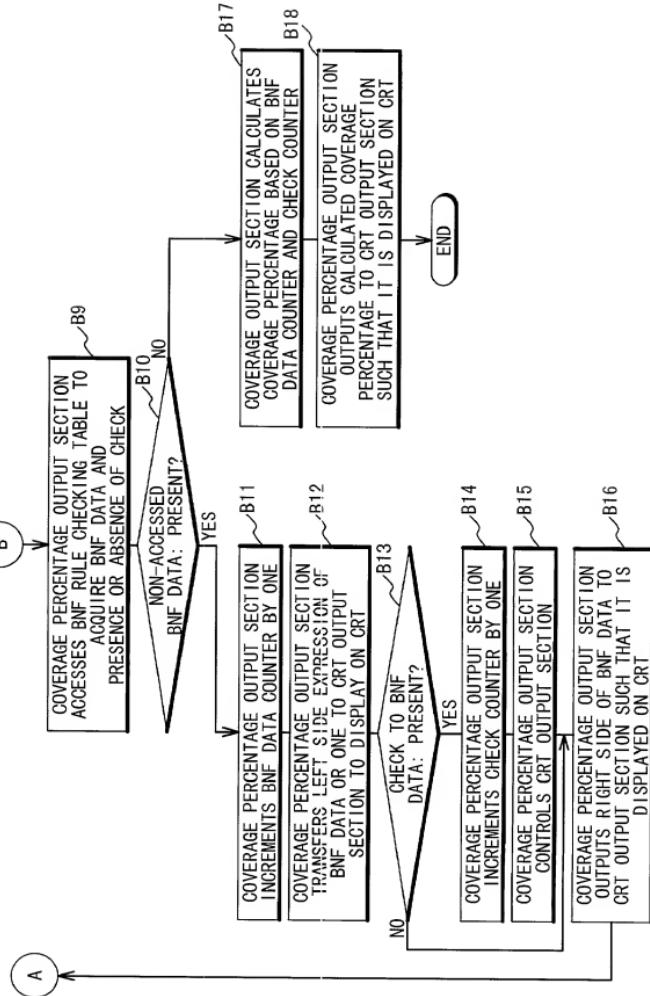


Fig. 8

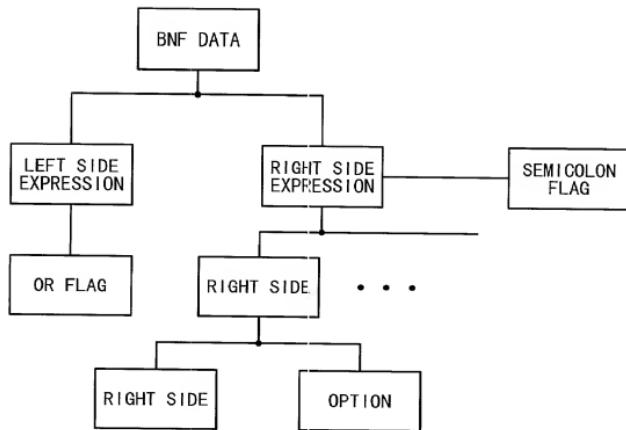


Fig. 9

```
(OMITTED)
/***** BNF GRAMMER RULE GROUP *****/
packages ::=package1:e1 packages:e2
|
;
package1 ::=PACKAGE packageName:e1 BEGIN
            attributeBody: e2
            actionBody: e3
            notificationBody:e4
        END
;
acttributBody ::=ATTRIBUTES BEGIN
                attributes:e
            END
|
;
acttributes ::=attribute:e1 SEMICOLON attributes:e2
|
;
acttribut ::=attributeName:e1 type:e2 support:e3
;
```

Fig. 10

```

(OMITTED)
type ::=NORMAL
      | SHARED
      | NEATTER neAttr:e
;
neAttr ::=BEGIN neInfs:e END
;
neInfs ::=packageptr SEMICOLON
          segment:e1 SEMICOLON
          offset:e3 SEMICOLON
          encodefunc:e4 SEMICOLON
          encodefunc:e5 SEMICOLON
;

```

Fig. 11

```

(OMTTED)
segment ::=SEGMENT segNo:e ;
offset ::=OFFSET address:e ;
size ::=DATASIZE length:e ;
encodeFunc ::=ENCODE funcName:e ;
decodeFunc ::=DECODE funcName:e ;
segNo ::=integer:e ;
length ::=address:e ;
    | OPENPR integer:e CLOSER ;
address ::=integer:e1 bit:e2 ;
bit ::=OPENPR integer:e2 CLOSER
    |
    |

```

Fig. 12

```
packages ::=  
* package1 packages  
| *  
;  
package1 ::=  
* PACKAGE packageName BEGIN attributeBody  
actionBody notificationBody END  
;  
attributeBody ::=  
* ATTRIBUTES BEGIN attributes END  
|  
;  
attributes ::=  
* attribute SEMICOLON attributes  
| *  
;  
attribute ::=  
* attributName type supput  
;
```

Fig. 13

```
(OMITTED)
type ::= 
* NORMAL
  | SHARED
    * NEATTR neAttr
  ;
neAttr ::= 
* BEGIN neInfos END
  ;
neInfos ::= 
* packagepr SEMICOLON segment SEMICOLON size
  SEMICOLON offset SEMICOLON encodeFunc SEMICOLON
  decodeFunc SEMICOLON
  ;
```

Fig. 14

(OMITTED)

```
segement ::=  
* SEGMENT  seNo  
;  
offset ::=  
* OFFSET  address  
;  
size ::=  
* DATASIZE  length  
;  
encodeFunc ::=  
* ENCODE  funcName  
;  
decodeFunc ::=  
* DECODE  funcName  
;  
segNo ::=  
* integer  
;  
length ::=  
* address  
| OPENPR  integer  CLOSEPR  
;  
address ::=  
* integer  bit  
;  
bit ::=  
* OPENPR  integer  CLOSEPR  
|  
;  
coverage =34%
```

Fig. 15

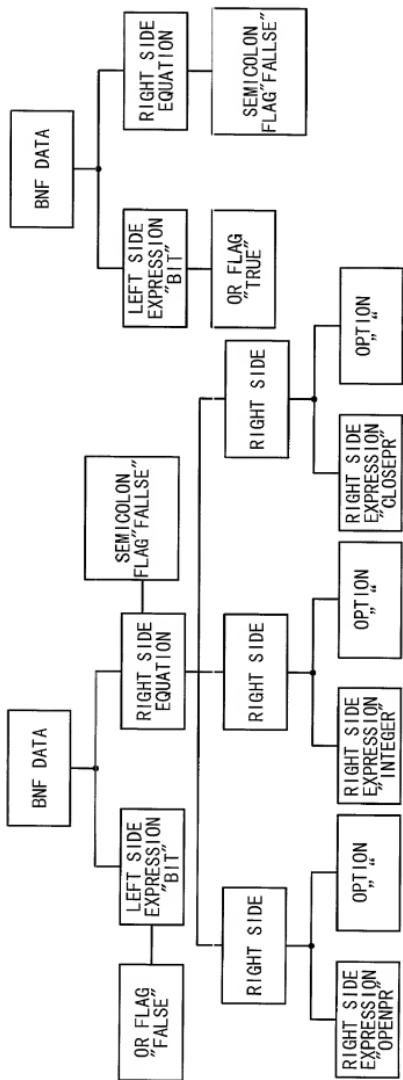


Fig. 16

SYNTAX COVERAGE PERCENTAGE MEASURING UNIT PROGRAM

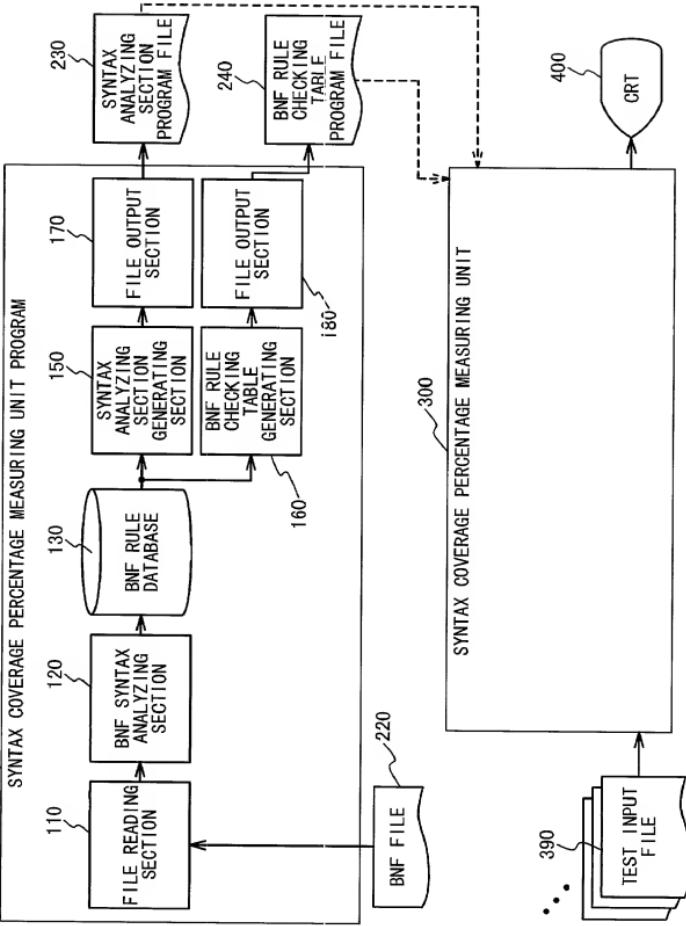


Fig. 17

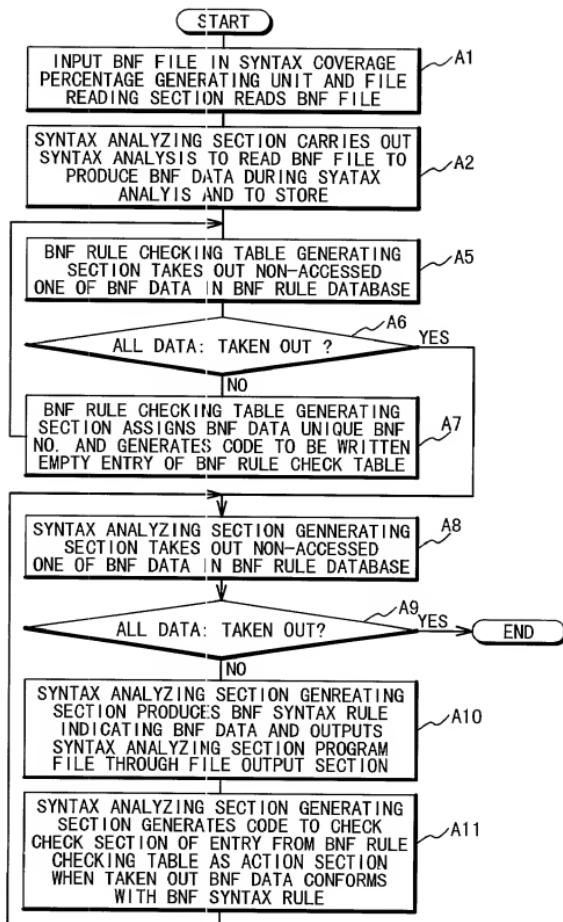


Fig. 18

SYNTAX COVERAGE PERCENTAGE MEASURING UNIT PROGRAM GENERATING UNIT

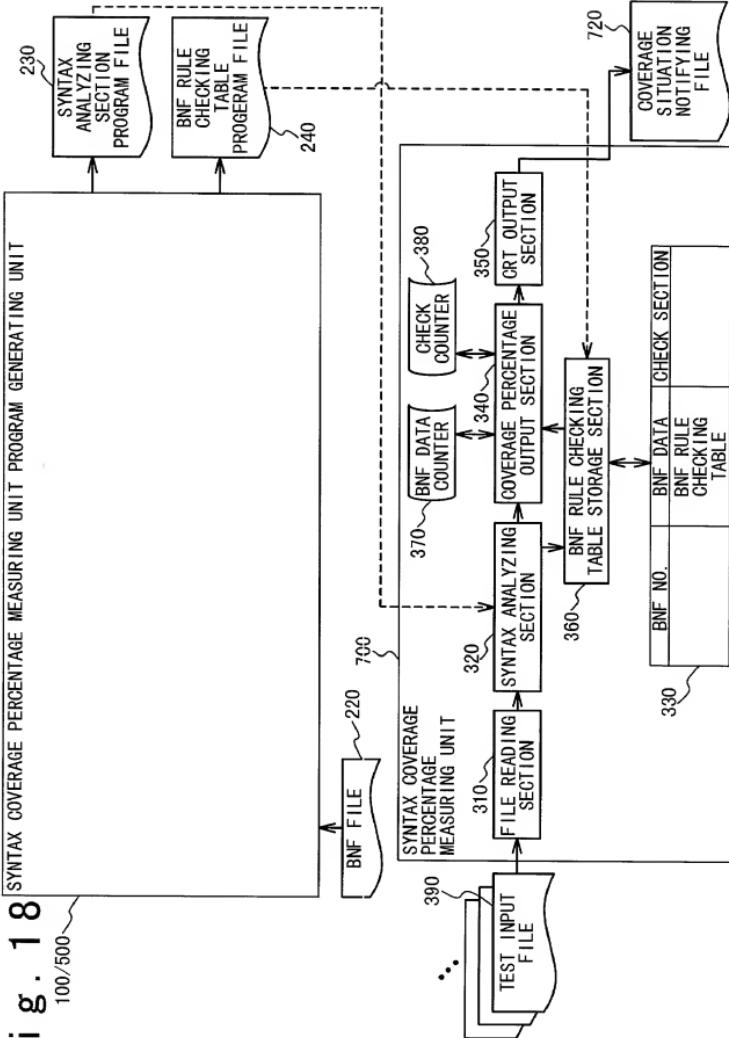


Fig. 19

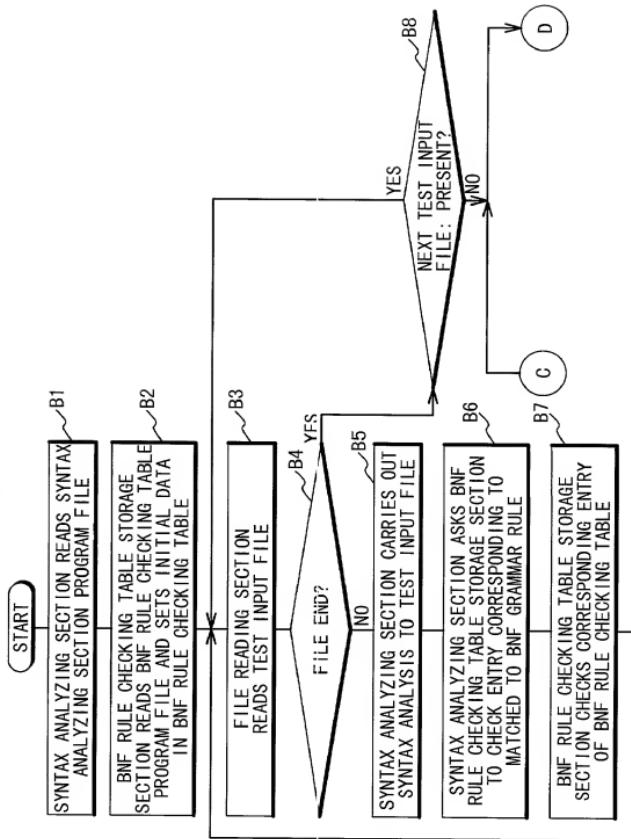


Fig. 20

D

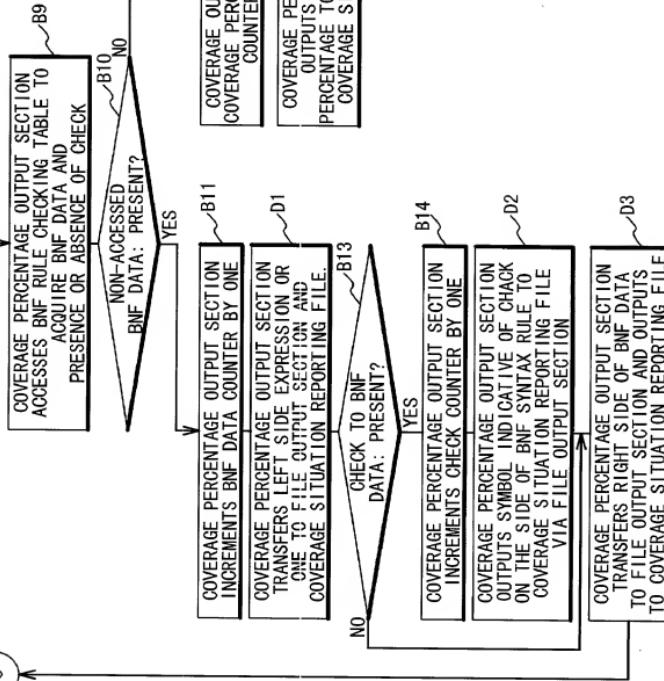
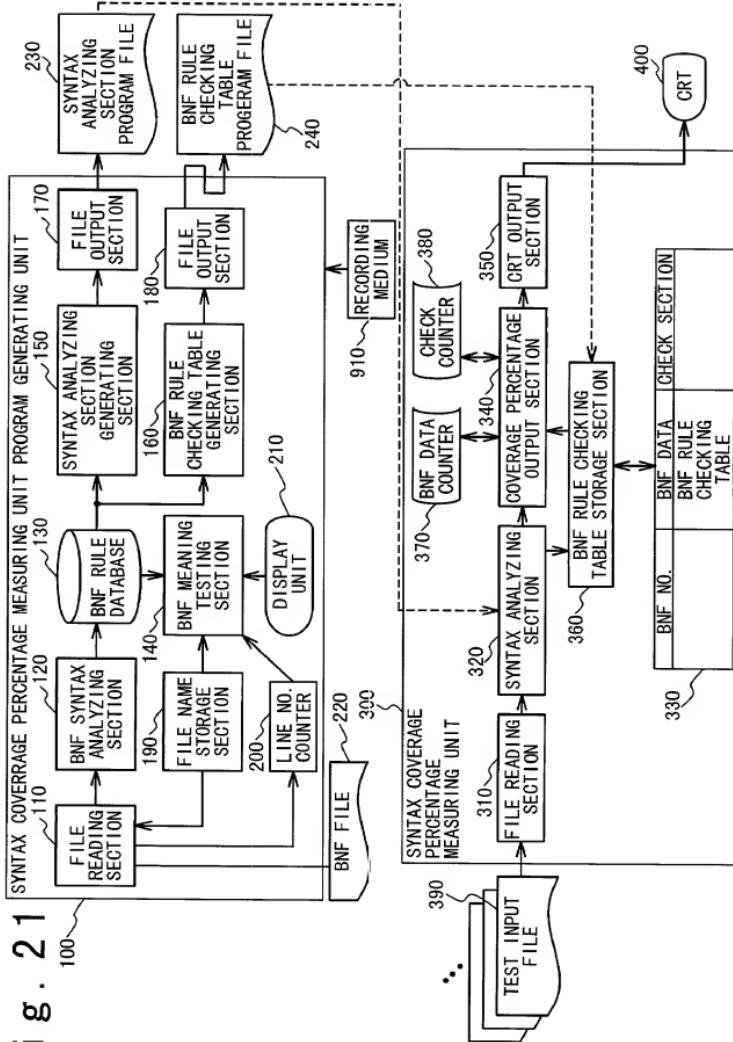


Fig. 21



FEB. 22

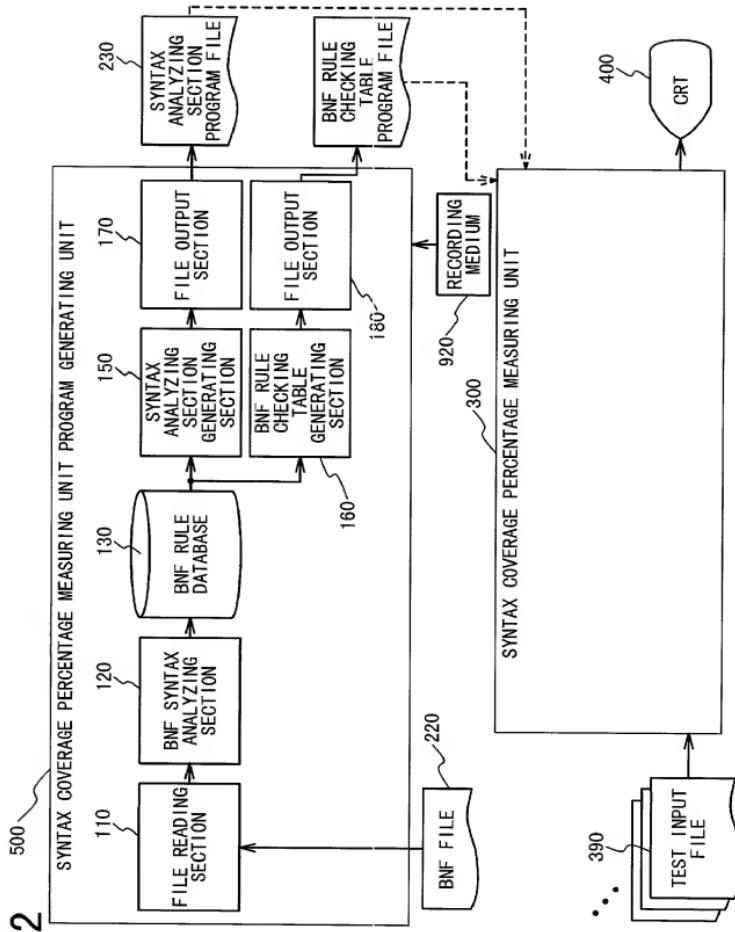


Fig. 23

SYNTAX COVERAGE PERCENTAGE MEASURING UNIT PROGRAM GENERATING UNIT

230

100/500

